



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L60-835-DIM-RM-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20356.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 27-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] ACRYLIC MED TIR OPTIC & 6"CAST WHITE REGRESS TRIM w/SOLITE

[MORE] LENS

[LUMCAT] 6DS-L60-835-DIM-RM-OF-WH

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5760
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	64.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13466	15852	10909
55	7145	7775	6724
65	4848	3993	3993
75	1863	2328	2328
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	14707.698	14707.698	14707.698	14707.698	14707.698
5	13942.752	13883.910	13883.910	13917.534	13998.792
10	11908.500	11731.974	11544.240	11642.310	11692.746
15	8523.684	8515.278	8414.406	8383.584	8380.782
20	5357.424	5194.908	5040.798	4847.460	4794.222
25	2852.436	2858.040	2706.732	2625.474	2518.998
30	1510.278	1499.070	1426.218	1350.564	1266.504
35	778.956	818.184	832.194	700.500	638.856
40	403.488	417.498	467.934	369.864	313.824
45	221.358	229.764	260.586	207.348	179.328
50	137.298	148.506	156.912	137.298	120.486
55	95.268	98.070	103.674	95.268	89.664
60	70.050	70.050	70.050	70.050	67.248
65	47.634	44.832	39.228	44.832	39.228
70	28.020	28.020	28.020	28.020	28.020
75	11.208	14.010	14.010	14.010	14.010
80	8.406	5.604	5.604	5.604	5.604
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3562.34	N.A.	61.80
0-30	4899.39	N.A.	85.10
0-40	5415.5	N.A.	94.00
0-60	5696.88	N.A.	98.90
0-80	5758.44	N.A.	100.00
0-90	5760.06	N.A.	100.00
10-90	4502.32	N.A.	78.20
20-40	1853.16	N.A.	32.20
20-50	2043.68	N.A.	35.50
40-70	326.80	N.A.	5.70
60-80	61.56	N.A.	1.10
70-80	16.14	N.A.	0.30
80-90	1.62	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5760.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1257.74
10-20	2304.61
20-30	1337.04
30-40	516.11
40-50	190.52
50-60	90.86
60-70	45.42
70-80	16.14
80-90	1.62
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

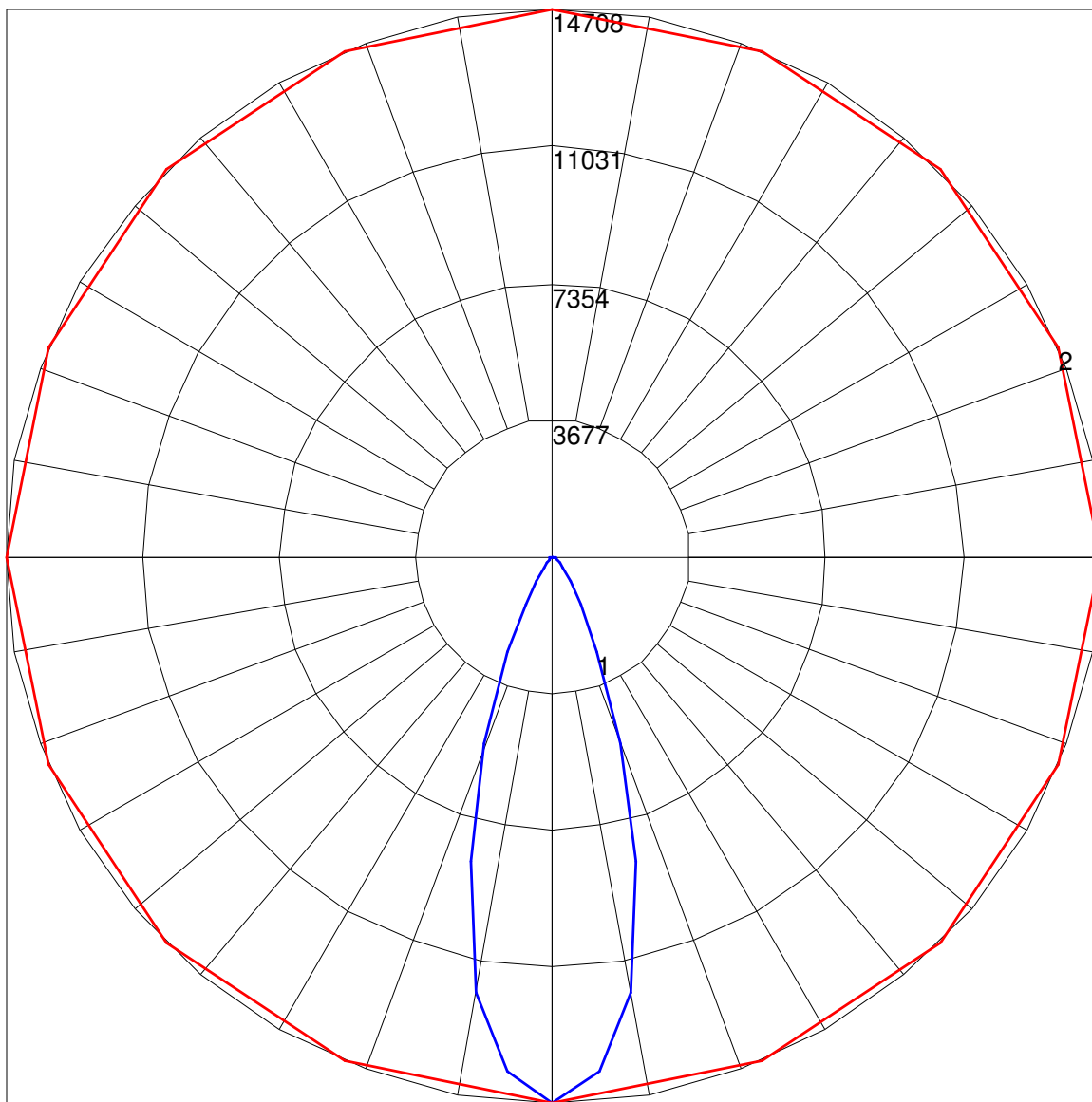
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	334	334	334	334	326	326	326	326	311	311	311	298	298	298	286	286	286	280
1	320	313	307	301	313	307	301	296	296	291	287	285	282	279	276	273	271	266
2	307	295	285	276	301	290	281	273	281	274	267	273	267	262	265	260	256	252
3	294	278	266	257	289	275	263	255	267	258	251	261	253	247	255	248	243	239
4	282	264	251	240	277	261	249	239	255	245	236	250	241	234	245	237	231	227
5	271	251	237	227	267	248	235	226	244	232	224	239	230	222	235	227	220	216
6	261	239	225	215	257	237	224	214	233	222	213	230	219	211	226	217	210	207
7	251	229	215	205	247	227	214	204	224	212	203	221	210	202	218	208	201	198
8	242	219	205	195	239	218	204	195	215	203	194	212	201	193	210	200	193	189
9	233	210	196	187	230	209	196	187	207	195	186	204	193	185	202	192	185	182
10	225	202	188	179	222	201	188	179	199	187	179	197	186	178	195	185	178	175

POLAR GRAPH



Maximum Candela = 14707.698 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)